

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:1882
ANSWERED ON:21.07.2004
MIGRATION TO FOREIGN COUNTRIES
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether Science and Technology experts are migrating to foreign countries;
- (b) if so, the details thereof;
- (c) the number of such experts migrated to foreign countries and settled down there during the last three years;
- (d) whether the Government is taking any measures to check the migration; and
- (e) if so, the details thereof ?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE AND TECHNOLOGY & MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL)

(a) to (c) Some Science & Technology experts do migrate to other countries for various reasons including financial and academic gains. However, no record of such experts leaving the country is being maintained centrally.

(d) & (e) Several measures have been taken from time to time by the Government to minimize the outflow and also to attract them back to the country from abroad. Some of these measures are:

- Setting up of centres of excellence/advanced studies in the universities and academic institutions.
- Creation of core groups of professionals with necessary modern facilities required for pursuing research in new and frontier areas of science.
- S&T based training for entrepreneurial development.
- Increase in the outlay for science and technology sector in successive Five Year Plan.
- Creation of new scientific Departments/Organisations.
- Delegation of advanced administrative and financial powers to S&T institutions to improve working conditions of scientists.
- Manpower development training/re-training programmes through associateships/ fellowships.
- Provisions for temporary placement of scientists and technocrats under the scheme of scientists pool.
- Creation of supernumerary posts.
- Invitation to distinguished men and women of Indian origin settled abroad for short term technical assignments to assist in frontier and emerging areas of S&T.
- Fast Track Scheme for Young Scientists.
- Better Opportunities for Young Scientists in Chosen Areas of Science and Technology (BOYSCAST)fellowship to visit international laboratories and institutions.
- Swarnajayanti Fellowships.
- Mission HOPE (Higher Education – Opportunities for Promoting Entrepreneurship) with the aim of converting aspirations to real enterprises (CARE).
- Contact programmes to attract and motivate brilliant young scientists to take up R&D as a career.

- Scientists are given financial assistance to participate in international conferences and training programmes abroad.
- Shyama Prasad Mukherjee Fellowships.
- Early Faculty Induction Programme, which aims at attracting bright and young under-graduate students in Engineering and Technology/Pharmacy/Architecture, etc. to take as their career.
- Appointment of NRIs and persons of Indian Origin in the permanent faculty positions in the IITs.